

The Knowledge Bank at The Ohio State University

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DEPARTMENTS AND SOCIETIES

GERALD R. FRIES, E.E.II

Note: If your organization is not adequately covered in this column call or write to the editor of the column.

ENGINEERS COUNCIL

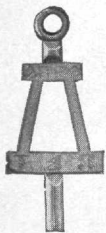
The Engineers' Council has been quite active this quarter. Edwin Willing has been chosen as the new representative to the Student Senate and Harold Geiger has been elected vice-president to succeed Willing.

Plans have gone forward for the Engineers' Prom. The prom will be held on February 6 as has been previously announced and Frankie Reynolds will furnish the music from 9 till 1.

Most of the departmental societies are going to have a dinner meeting preceding the prom as has been the policy in the past.

ENGINEERS' PROM—FEBRUARY 6th

TAU BETA PI



The first meeting of Ohio Gamma Chapter of Tau Beta Pi was featured by a discussion of "Spanish and the Engineer," by Jose R. Palomo of the Department of Roman Languages. He graduated from Carnegie in Pittsburgh in Mechanical Engineering and designed boilers for a while and thus knows both sides of the topic.

He stressed the value of Spanish to engineers who will be called upon to assist in the forthcoming development and industrialization of Latin and South America. Good will between nations lies in the relations between technical and professional men as well as between the professional diplomats. It will be the duty of the United States to assist them both by finance and thru the engineering profession.

MEN'S GYMNASIUM — 9-1

DINNER-TIME AT HENNICK'S..

- THE LIGHTS ARE "TURNED UP"
- THE MUSIC IS "TONED DOWN"
- THE FOOD IS VERY GOOD
- YOU WILL ENJOY YOUR DINNER

HENNICK'S

R E S T A U R A N T

At the Gate of the Campus for Over 30 Years

KERAMOS

Keramos Fraternity sponsored its annual "Open House" Tuesday evening January 20, 1942, to which all underclassmen were invited. Albert Caton was in charge of the entertainment for the evening, which included ceramic exhibits, motion pictures and refreshments. The purpose of this meeting was to introduce the underclassmen to the Fraternity and its purpose as well as to the entire Ceramic Department.

Projects now being developed are whiteware abstracts, color abstracts, and tunnel kiln data. Results obtained will be published and available for purchase in the near future.

New members this year are Albert Caton, Robert Sada, and Archie Schukle.

DEPARTMENTAL DINNERS BEFORE THE DANCE

E. P. S.

At the first meeting of the quarter on January 12, 1942, the Engineering Physics Society made plans for an extensive educational program for the winter term. Some of the prospective features include: a visit to the electron microscope, a lecture by Professor Alpheus Smith, and a pre-dance dinner before the Engineers' Prom on February 6.

IT'S SEMI-FORMAL

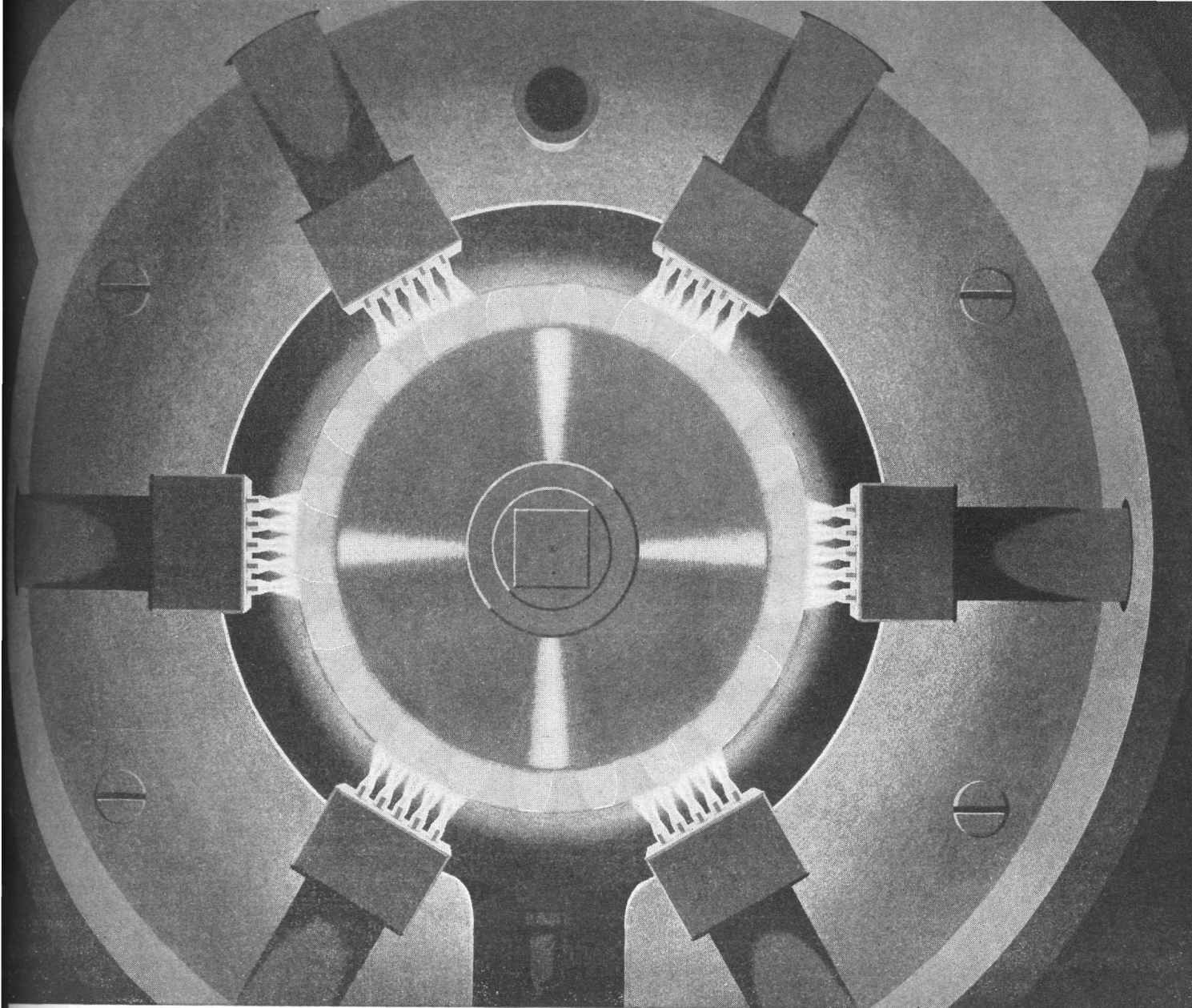
A. I. E. E.

At the meeting of January 15, 1942, the Student Branch was entertained by talks on their summer experiences by Ed Ogden, who worked at the Ohio Works of the Carnegie-Illinois Steel Company at Youngstown, Ohio, and Carl Royer, who worked at the Hobart Brothers Company at Troy, Ohio.

Plans for the dinner before the Engineers' Prom were discussed and it was decided to have the dinner at Beechwood Tavern. Engineers' Day projects were discussed and committees assigned to each by Ted Smart who is in charge of the arrangements.

The newly formed committee for Student Representation in the "Honor System" adopted by the Department of Electrical Engineering consists of the seniors: Dave Bowman, Woodrow Crissinger and Wayne Rife; and the juniors: Murray Bevis, John Jones and Carl Rench.

IT'S OURS—LET'S BE THERE



A SHORTER WAY TO LONGER LIFE

Spinning furiously in a bath of fire, gears that will play a vital part in the nation's production are given longer, more useful, more productive life . . . in a hurry. Through the swift magic of the oxy-acetylene flame, not only gears, but a host of other metal parts and articles can have their wearing surfaces hardened . . . exactly where hardness is needed to resist wear.

This is something *new* in metal working. The secret of it is that heat is applied so quickly and with such precise control . . . and quenching follows so rapidly . . . that any piece so treated has no chance to become hardened all the way through. This means that valuable properties like toughness and ductility are retained in the core of the metal.

The advantages of oxy-acetylene flame-hardening are manifold. By its use, hardening can be localized to those areas where wear will occur. Thus one section of a shaft, or the rim of a wheel, or the teeth of a gear can be hardened, leaving the rest of the piece in its original condition for needed properties or easy working. Cheaper and more plentiful ferrous metals can often be made to do the work of less readily obtainable steels.

The method is lightning fast, so it saves on operating expenses. Some pieces can be hardened in as little as five seconds. Production

is speeded up as costs go down. In many cases, machines can be simplified in construction by the use of flame-hardened parts.

Materials which can be flame-hardened include dozens of plain carbon, chromium, manganese, nickel, chromium-nickel, chromium-molybdenum and chromium-vanadium steels. High strength cast iron and pearlitic malleable iron can also be hardened by this method.

Linde supplies the oxy-acetylene equipment, also the oxygen and acetylene for use in the flame-hardening process. Inquiries about oxy-acetylene flame-hardening, flame-cutting, fabricating, and treating of metals are cordially invited.

. . .

The important developments in flame-hardening—and other processes and methods for producing, fabricating, and treating metals — which have been made by The Linde Air Products Company were greatly facilitated by collaboration with Union Carbide and Carbon Research Laboratories, Inc., and by the metallurgical experience of Electro Metallurgical Company and Haynes Stellite Company—all Units of Union Carbide and Carbon Corporation.

THE LINDE AIR PRODUCTS COMPANY

Unit of Union Carbide and Carbon Corporation



GENERAL OFFICES: New York, N. Y.

OFFICES IN PRINCIPAL CITIES

A. S. C. E.

With John Bayliss, sec'y-treas. of the student chapter, sweating over the assignment of reading the minutes for the last three dinner meetings, the A.S.C.E. opened its first business meeting of the quarter on Tuesday, January 13.

A new constitution was presented for discussion with the assembly acting as a committee of the whole. After making the necessary changes, the committee was dissolved and the constitution drafted. The old constitution drawn up in February 1939 proved inadequate during the past.

Fred Young, Co-Editor of the A.S.C.E. "News", suggested that short histories of all the professors in the departments be included in the "News". For this paper, he assigned various members to interview each professor. A sophomore was assigned to help materialize the "News" for the rest of the year.

Case School of Applied Science, Cleveland, is the scene for this year's North Central Conference of the "Student Chapters" held during the spring quarter. As was the custom in the past, prizes will be awarded for the two best student papers presented at the conference. The length of each paper will be approximately 2000 words dealing with a civil engineering topic of interest and not too technical.

In connection with the "Prom" the "Civils" intend to hold a dinner for a starter. No definite place had been chosen when this article went to press, however, the "Faculty Club" was discussed as a good possibility. The committee for the dinner include: "Norm" Bradstock, "Ray" Schmitt, and "Bob" McEwen.

A discussion for obtaining a cut of the key insignia of the "Society" to personalize its column in The Ohio State Engineer was postponed until the next meeting.

A. I. Ch. E.

At the meeting of the Student Branch of the American Institute of Chemical Engineers at 7:30 p.m. on Wednesday, February 4, in Room 154 Chemistry Building, Mr. Fred Brownwell will show "technicolor" motion pictures of the Philippines taken by Lt. John Brownwell, a member of 17th Pursuit Squadron which was stationed in the Philippines at the outbreak of hostilities.

The chapter will hold its annual "Get-Acquainted Dinner" starting at 6:30 P.M. in the West Alcove of Pomerene Refectory as a prelude to the Engineers' Prom. Dave James and Harry Rechlin have tickets.

A. S. M. E.

At the meeting of December 5, 1941, the new officers for the Winter Quarter were elected as follows: Chairman, Bob Rarey; Secretary, Bill Hultz; Treasurer, Andy Smith. Movies of the construction of the Golden Gate Bridge completed the meeting.

On January 9, 1942, Dean Wellington discussed the system of numbering in our present Selective Service Act.

WILL WE SEE YOU FRIDAY NIGHT AT THE PROM?

S. A. M. E.

Highlights of the last few meetings of the Society of American Military Engineers have been the interesting movies shown. On November 27, three members from the Franklin County Engineer's office presented films in technicolor of various road construction and maintenance work in Franklin County. Due to present opportunities presented for future programs, meetings are now being held every two weeks instead of every three. At the present, Lt. White is investigating the possibilities of holding a First Aid course for the group.

At the meeting of January 8, Col. Pettis, successor to Capt. Cotter as the Senior Engineering Instructor, was introduced to the group by Lt. Warner. Col. Pettis gave a short talk on the Philippines, where he was stationed several years ago. Films were shown at this meeting on Aviation Attack Squadrons and Parachute Training in the German Army. Following the presentation of the movies, an election was held by the group to determine a successor to Capt. Cotter as advisor for the branch. Lts. Stebleton and White were chosen as co-advisors.

An executive meeting was held on January 13 to discuss Social Functions, Programs, Membership, and the writing of a new constitution for the Post.